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JC10 Rec'd PCT/PTO 22 APR 2005

FORM PTO-1390 MODIFIED	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 3260-27
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) 10/510,744	
INTERNATIONAL APPLICATION NO. PCT/KR02/00617	INTERNATIONAL FILING DATE 9 April 2002	PRIORITY DATE CLAIMED	
TITLE OF INVENTION STABILIZED BIOCATALYSTS AND METHODS OF BIOCONVERSION USING THE SAME			
APPLICANT(S) FOR DO/EO/US KWON et al			
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li><input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li><input type="checkbox"/> The U.S. has been elected (Article 31).</li> <li>A copy of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li><input type="checkbox"/> is attached hereto (      pages specification, claims &amp; abstract (      claims),      sheets drawings).</li> <li><input type="checkbox"/> has been communicated by the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>An English language translation of the International Application as filed (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li><input type="checkbox"/> is attached hereto (      pages specification, claims &amp; abstract (      claims),      sheets drawings,      page Certificate of Translation).</li> <li><input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> have been communicated by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has <b>NOT</b> expired.</li> </ol> </li> <li>An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li><input type="checkbox"/> Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (      page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached).</li> </ol> </li> <li>An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11 To 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li><input type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</li> <li><input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</li> <li> <ol style="list-style-type: none"> <li><input type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li><input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> </ol> </li> <li><input type="checkbox"/> An Application Data Sheet under 37 C.F.R. § 1.76.</li> <li><input type="checkbox"/> A substitute specification.</li> <li><input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li><input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</li> <li><input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li><input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li><input checked="" type="checkbox"/> Other items or information. Correspondence Address Indication Form &amp; copy of Notification of Missing Requirements dated 4/4/2005</li> </ol>			

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) <b>10/510,744</b>	INTERNATIONAL APPLICATION NO. <b>PCT/KR02/00617</b>	ATTORNEY'S DOCKET NUMBER <b>3260-27</b>																																												
<p>21. <input checked="" type="checkbox"/> The following fees are submitted:</p> <p><b>BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):</b></p> <table border="1"> <tr> <td><input type="checkbox"/> a) Basic national fee .....</td> <td>\$300.00 (1631)/\$150.00 (2631)</td> <td>\$</td> </tr> <tr> <td><input type="checkbox"/> b) Examination Fee .....</td> <td>\$200.00 (1633)/\$100.00 (2633)</td> <td>\$</td> </tr> <tr> <td><input type="checkbox"/> c) Search Fee.....</td> <td>\$500.00 (1632)/\$250.00 (2632)</td> <td>\$</td> </tr> <tr> <td colspan="2"><b>TOTAL OF ABOVE CALCULATIONS .....</b></td> <td><b>\$1000.00/\$500.00</b></td> </tr> </table> <p><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</p> <table border="1"> <thead> <tr> <th>Total Sheets</th> <th>Extra Sheets</th> <th>Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th>RATE</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>-100</td> <td>0/50 = 0.00</td> <td>\$0.00 (1681)</td> </tr> <tr> <td></td> <td></td> <td></td> <td>\$0.00 (2681)</td> </tr> </tbody> </table> <p>Surcharge of <b>\$130.00 (1617)/\$65.00 (2617)</b> for furnishing the oath or declaration later than <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).</p> <table border="1"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th># EXTRA</th> <th>RATE</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>minus 20 =</td> <td>0 X</td> <td>\$50.00 (1615)/ \$25.00 (2615)</td> </tr> <tr> <td>Independent Claims</td> <td>minus 3 =</td> <td>0 X</td> <td>\$200.00 (1614)</td> </tr> <tr> <td colspan="3"><b>MULTIPLE DEPENDENT CLAIMS(S) (if applicable)</b></td> <td>\$360.00 (1616)/\$180.00 (2616)</td> </tr> </tbody> </table> <p>Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253)/\$510.00 (2253); Four Month Extensions \$1590.00 (1254)/\$795.00 (2254)</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>Processing fee of <b>\$130.00 (1618)</b>, for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)).</p> <p><b>TOTAL NATIONAL FEE = \$ 0.00</b></p> <p>Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). <b>\$40.00 (8021) per property</b> + <b>\$ 40.00</b></p> <p>Fee for Petition to Revive Unintentionally Abandoned Application; <b>\$1500.00 (1453) / \$750.00 (2453)</b> <b>\$ 0.00</b></p> <p><b>TOTAL FEES ENCLOSED = \$ 40.00</b></p> <table border="1"> <tr> <td>Amount to be: refunded</td> <td>\$</td> </tr> <tr> <td>Charged</td> <td>\$</td> </tr> </table> <p>a. <input checked="" type="checkbox"/> A check in the amount of \$40.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 14-1140 in the amount of \$ _____ to cover the above fees. A duplicate copy of this form is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A <u>duplicate</u> copy of this form is enclosed.</p> <p>d. <input type="checkbox"/> <b>CREDIT CARD PAYMENT FORM ATTACHED.</b></p> <p>e. <input checked="" type="checkbox"/> The entire content of International Application No. PCT/KR02/00617 and any U.S. and foreign application(s) corresponding thereto, and _____, referred to in this application is/are hereby incorporated by reference in this application.</p> <p><b>NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status.</b></p> <p><b>CORRESPONDENCE ADDRESS</b></p> <p>Direct all correspondence to:</p> <p><input checked="" type="checkbox"/> Customer Number: <b>23117</b></p> <p>Type Customer Number here</p> <p>Telephone: (703) 816-4000 BJS:pp</p> <p><i>B. J. Sadoff</i></p> <p><b>B. J. Sadoff</b> NAME</p> <p><b>36,663</b> April 22, 2005 REGISTRATION NUMBER Date</p>			<input type="checkbox"/> a) Basic national fee .....	\$300.00 (1631)/\$150.00 (2631)	\$	<input type="checkbox"/> b) Examination Fee .....	\$200.00 (1633)/\$100.00 (2633)	\$	<input type="checkbox"/> c) Search Fee.....	\$500.00 (1632)/\$250.00 (2632)	\$	<b>TOTAL OF ABOVE CALCULATIONS .....</b>		<b>\$1000.00/\$500.00</b>	Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	0	-100	0/50 = 0.00	\$0.00 (1681)				\$0.00 (2681)	CLAIMS	NUMBER FILED	# EXTRA	RATE	Total Claims	minus 20 =	0 X	\$50.00 (1615)/ \$25.00 (2615)	Independent Claims	minus 3 =	0 X	\$200.00 (1614)	<b>MULTIPLE DEPENDENT CLAIMS(S) (if applicable)</b>			\$360.00 (1616)/\$180.00 (2616)	Amount to be: refunded	\$	Charged	\$
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3260-27  
BJS  
3260-27  
UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/510,744	Seok-Joon Kwon	3260-27

23117 DOCKETED  
NIXON & VANDERHYE, PC  
1100 N GLEBE ROAD  
8TH FLOOR  
ARLINGTON, VA 22201-4714  
CLT/MATTER # 3260-27  
MAIL DATE Apr 4, 2005  
DUE DATE Jun 4, 2005  
FINAL DEADLINE Nov 4, 2005  
DOCKETED BY TMI BAK

INTERNATIONAL APPLICATION NO.	
PCT/KR02/00617	

IA. FILING DATE	PRIORITY DATE
	04/09/2002

CONFIRMATION NO. 3792  
371 FORMALITIES LETTER



OC000000015645191

Date Mailed: 04/04/2005

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 10/12/2004
- Copy of the International Search Report filed on 10/12/2004
- Copy of IPE Report filed on 10/12/2004
- Preliminary Amendments filed on 10/12/2004
- Information Disclosure Statements filed on 10/12/2004
- Small Entity Statement filed on 10/12/2004
- Request for Immediate Examination filed on 10/12/2004
- U.S. Basic National Fees filed on 10/12/2004

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5).

*A copy of this notice MUST be returned with the response.*

VONDA M WALLACE

Telephone: (703) 308-9140 EXT 225

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/510,744	PCT/KR02/00617	3260-27

FORM PCT/DO/EO/905 (371 Formalities Notice)